

107529039 #3  
JC17 Rec'd PCT/PTO 24 MAR 2005  
PATENT APPLICATION

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q86735

Keiji MARUOKA, et al.

Appln. No.: Based on PCT/JP2003/012565

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filed: March 24, 2005

Examiner: Not Yet Assigned

For: PROCESS FOR PRODUCING OPTICALLY ACTIVE-SUBSTITUTED CYSTEINE OR  
SALT THEREOF, INTERMEDIATE THEREOF, AND PROCESS FOR PRODUCING  
THE SAME

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after

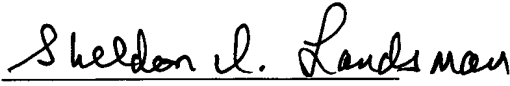
filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of an English-language International Search Report from the International Searching Authority in the International Application citing such documents, including at least that portion of the International Search Report indicating the degree of relevance found by the International Searching Authority.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

  
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WASHINGTON OFFICE  
**23373**  
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Date: March 24, 2005

Substitute for Form 1449 A &amp; B/PTO

Complete if Known **10/529039****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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Filing Date	March 24, 2005
First Named Inventor	Keiji MARUOKA
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q86735

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 4,406,905		09-27-1983	Zähner et al

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		EP	45281	A1	02/03/1982	CIBA-GEIGY AG	
		WO	00/12493	A1	03/09/2000	UNIVERSITY OF FLORIDA RESEARCH FOUNDATION INC.	
		EP	1302467	A2	04/16/2003	DSM Fine Chemicals Austria Nfg GmbH. & Co. KG	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		MULQUEEN, G.C. et al., "Synthesis of the Thiazole line-based Siderophore (S)-Desferrithiocin" Tetrahedron, Vol. 49, No. 24, pages 5359 to 5364, (1993).	
		BERGERON, R.J. et al., "Effects of C-4 Stereo-chemistry and C-4' Hydroxylation on the Iron Clearing Efficiency and Toxicity of Desferrithiocin Analogues", J. Med. Chem., 42, pages 2432 to 2440. (1999).	
		ADAM, W. et al., "Direct $\alpha$ -Lithiation of 4, 5-Dihydro-1, 3-thiazole-4-carboxylic Acids and Electrophilic Substitution", SYNTHESIS, (12), pages 817-19, (1976).	
		EHRLER, J. et al., "Total Synthesis of Thianga zole", SYNLETT, (9), pages 702-4, (1994).	
		OOI, T. et al., "Molecular Design of a C <sub>2</sub> -Symmetric Chiral Phase-Transfer Catalyst for Practical Asymmetric Synthesis of $\alpha$ -Amino Acids", J. Am. Chem. Soc., 121, pages 6519 to 6520, (1999).	
		OKINO, T. et al., "Asymmetric Alkylation of tert-Butyl Glycinate Schiff Base with Chiral Quaternary Ammonium Salt under Micellar Conditions", ORGANIC LETTERS, Vol. 3, No. 10, pages 1515-17, (2001).	
		OOI, T. et al., "Evaluation of the Efficiency of the Chiral Quaternary Ammonium Salt $\beta$ -Np-NAS-Br in the Organic-Aqueous Phase-Transfer Alkylation of a Protected Glycine Derivative", Adv. Synth. Catal., 334, No. 3+4, pages 288 to 291, (2002 May).	

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.